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1 **Fast automatic X-ray image processing by means of a new multistage fi for background modelling**
Hanke, R.F.; Hassler, U.; Heil, K.;
Image Processing, 1994. Proceedings. ICIP-94., IEEE International Conference ,
Volume: 1 , 13-16 Nov. 1994
Page(s): 392 -396 vol.1

[Abstract]   [PDF Full-Text (360 KB)] **IEEE CNF**

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2 **A new algorithm for flaw simulation in castings by superimposing projections of 3D models onto X-ray images**
Mery, D.;
Computer Science Society, 2001. SCCC 2001. Proceedings. XXI Internatinal
Conference of the Chilean , 7-9 Nov. 2001
Page(s): 193 -202

[Abstract]   [PDF Full-Text (1202 KB)] **IEEE CNF**

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3 **Automated flaw detection in aluminum castings based on the tracking (potential defects in a radioscopic image sequence**
Mery, D.; Filbert, D.;
Robotics and Automation, IEEE Transactions on , Volume: 18 Issue: 6 , Dec. 200ℤ
Page(s): 890 -901

[Abstract]   [PDF Full-Text (1224 KB)] **IEEE JNL**

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2	BRS	L2	8727	1 and (radiography or radiographic or radioscopic)	USPAT	2003/09/03 20:54
3	BRS	L3	5456	2 and radiation	USPAT	2003/09/03 20:54
4	BRS	L4	337	3 and ((optical adj fiber) or (fiber adj optic))	USPAT	2003/09/03 20:56
5	BRS	L5	140	4 and frequency	USPAT	2003/09/03 20:56
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15	☒	☐	US 5956382 A	19990921	17

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1	Viscosity and mass sensor for the high-throughput synthesis, screening and characterization of combinatorial libraries	436/2	422/68.1; 436/165; 436/37; 436/85; 73/24.06; 73/54.01; 73/54.23; 73/54.24; 73/54.25; 73/54.26; 73/54.27; 73/54.41; 73/590; 73/655	
2	Image processing apparatus	250/252.1	250/553	
3	Fiber optic needle probes for optical coherence tomography imaging	600/478		
4	Imaging apparatus, imaging method, and storage medium	378/155	378/154	
5	Method and system monitoring image detection	378/19	378/4; 378/901	
6	Real time data acquisition system including decoupled host computer	378/62	378/37; 378/4; 378/901	
7	Magnetically directable remote guidance systems, and methods of use thereof	600/424	604/528	
8	Active matrix detector for X-ray imaging	378/98.8	378/98.7	
9	High resolution device and method for imaging concealed objects within an obscuring medium	73/633		
10	Pixel-correlated, digital X-ray imaging system	378/98.8	378/98.2	
11	Method and apparatus for electronically imaging a tooth through transillumination by light	382/100	348/66; 382/115; 382/128; 433/29	
12	X-ray imaging array detector and laser micro-milling method for fabricating array	219/121.6	219/121.67; 219/121.68; 219/121.69; 219/121.72	
13	Filmless photon imaging apparatus	250/591	250/370.09; 257/E27.146	
14	Filmless photon imaging apparatus	250/580	250/370.09	
15	X-ray imaging array detector and laser micro-milling method for fabricating array	378/98.8	250/367	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Tagge, Christopher D. et al.	☒	☐	☐	☐	☐	☐	☐	US 6602714	☐
2	Tsujii, Osamu	☐	☐	☐	☐	☐	☐	☐	US 6570150	☐
3	Pitris, Constantinos et al.	☐	☐	☐	☐	☐	☐	☐	US 6564087	☐
4	Tamura, Toshikazu et al.	☐	☐	☐	☐	☐	☐	☐	US 6510202	☐
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10	Polichar, Raulf M. et al.	☐	☐	☐	☐	☐	☐	☐	US 6205199	☐
11	Elbaum, Marek et al.	☐	☐	☐	☐	☐	☐	☐	US 6201880	☐
12	Wiener-Avnear, Eliezer et al.	☐	☐	☐	☐	☐	☐	☐	US 6087618	☐
13	Becker, Charles D. et al.	☐	☐	☐	☐	☐	☐	☐	US 5994713	☐
14	Becker, Charles D. et al.	☐	☐	☐	☐	☐	☐	☐	US 5986278	☐
15	Wiener-Avnear, Eliezer et al.	☐	☐	☐	☐	☐	☐	☐	US 5956382	☐

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26	☒	☐	US 5608774 A	19970304	36
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29	☒	☐	US 5061841 A	19911029	125

	Title	Current OR	Current XRef	Retrieval Classif
16	Portable, digital X-ray apparatus for producing, storing and displaying electronic radioscopic images	378/98.2	378/98.8	
17	X-ray collimation assembly	378/154	378/145; 378/147	
18	Scanning beam x-ray imaging system	378/98	378/146	
19	Portable, digital X-ray apparatus for producing, storing, and displayng electronic radioscopic images	378/98.2	378/98.8	
20	Image reconstruction methods	378/146	378/4; 378/901; 378/98.2	
21	Polymer optical fibers and process for manufacture thereof	526/73	526/329.2; 526/329.7	
22	Scanning-beam X-ray imaging system	378/146		
23	X-ray source	378/98.6	378/113; 378/137	
24	Maneuverable and locateable catheters	378/98.8	378/19; 600/373; 600/433	
25	Image reconstruction methods	378/98.2	378/146; 378/4; 378/98.6	
26	Portable, digital X-ray apparatus for producing, storing, and displaying electronic radioscopic images	378/98.8	378/102	
27	Automated surgical system and apparatus	600/104	128/903; 600/111; 600/139; 600/146; 600/153; 600/166	
28	Fiber optic dosimeter using electron trapping materials employing technique for eliminating background fluorescence	250/484.5		
29	Apparatus and methods for controlling a welding process	219/130.01		

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
16	Polichar, Raulf M. et al.	☐	☐	☐	☐	☐	☐	☐	US 5909478	☐
17	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5859893	☐
18	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5835561	☐
19	Polichar, Raulf M. et al.	☐	☐	☐	☐	☐	☐	☐	US 5828726	☐
20	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5751785	☐
21	Katoot, Mohammad W.	☐	☐	☐	☐	☐	☐	☐	US 5747610	☐
22	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5729584	☐
23	Skillicorn, Brian et al.	☐	☐	☐	☐	☐	☐	☐	US 5682412	☐
24	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5651047	☐
25	Moorman, Jack W. et al.	☐	☐	☐	☐	☐	☐	☐	US 5644612	☐
26	Polichar, Raulf M. et al.	☐	☐	☐	☐	☐	☐	☐	US 5608774	☐
27	Wilk, Peter J.	☐	☐	☐	☐	☐	☐	☐	US 5368015	☐
28	Creager, Ramon E. et al.	☐	☐	☐	☐	☐	☐	☐	US 5091653	☐
29	Richardson, Richard W.	☐	☐	☐	☐	☐	☐	☐	US 5061841	☐

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33	☒	☐	US 4601051 A	19860715	
34	☒	☐	US 4595820 A	19860617	

	Title	Current OR	Current XRef	Retrieval Classif
30	Apparatus and methods for controlling a welding process	219/124.34	219/130.01	
31	Apparatus and methods for controlling a welding process	348/719	348/90	
32	Digital X-ray scanner	378/98.8	378/146	
33	Protective circuit for X-ray generator	378/118	378/105; 378/112	
34	Apparatus and methods for controlling a welding process	219/137PS	219/130.01; 219/130.21; 219/130.51	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
30	Richardson, Richard W.	☐	☐	☐	☐	☐	☐	☐		☐
31	Richardson, Richard W.	☐	☐	☐	☐	☐	☐	☐		☐
32	Spillman, Donald W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
33	Santurtun, Carlos M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
34	Richardson, Richard W.	☐	☐	☐	☐	☐	☐	☐		☐